PROCESS FOR AUTOMATIC CONTROL OF ONE OR MORE DEVICES BY VOICE COMMANDS OR BY REAL-TIME VOICE DIALOG AND APPARATUS FOR CARRYING OUT THIS

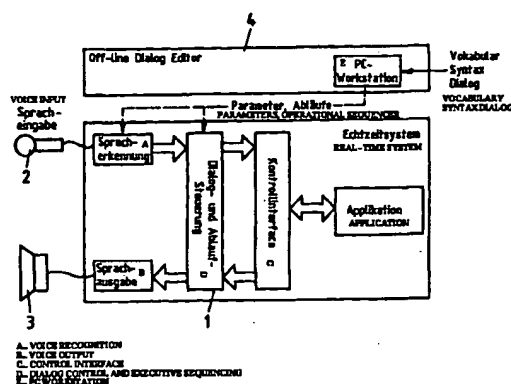[71] **Applicant:** DaimlerChrysler AG

[72] **Inventors:** STAMMLER, Walter; CLASS, Fritz; MÖLLER, Carsten- Uwe; NÜSSLE, ...

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[57] **Abstract:**

The invention pertains to a voice dialog system wherein a process for automatic control of devices by voice dialog is used applying methods of voice input, voice signal processing and voice recognition, syntactical-grammatical postediting as well as dialog, executive sequencing and interface control, and which is characterized in that syntax and command structures are set during real-time dialog operation; preprocessing, recognition and dialog control are designed for operation in a noise-encumbered environment; no user training is required for recognition of general commands; training of individual users is necessary for recognition of special commands; the input of commands is done in linked form, the number of words used to form a command for voice input being variable; a real-time processing and execution of the voice dialog is established; the voice input and output is done in the hands- free mode.

[51] **Int'l Class:** G10L01506 G10L01526